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WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE.
and
NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF
MAY 1, 1968

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 Federal Office Building, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

D.A. WILLIAMS

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

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RENO, NEVADA

In Cooperation with

ELMO J. DE RICCO

DIRECTOR
DEPARTMENT OF CONSERVATION AND
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P. O. BOX 4850
RENO, NEVADA

INDEX TO NEVADA SNOW COURSES

(By Basins)

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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SNAKE RIVER BASIN

SNAKE RIVER					
15H1MA	BEAR CREEK	31	46N	58E	7800
15H2	FOX CREEK	33	46N	58E	8800
15H13	GOAT CREEK	31	46N	60E	8800
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945
14H1	JACKS CREEK	6	42N	62E	7000
15H20a	MERRITT MOUNTAIN	10	46N	54E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	RED POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100
15H19a	STAG MTN.	29	41N	58E	7800

OWYHEE RIVER					
15H4MP	BIG BEND	30	45N	56E	6700
16H6a	COLUMBIA BASIN	31	44N	53E	6650
16H8a	FAWN CREEK	2	45N	52E	7000
15H5	GOLD CREEK	32	45N	56E	6600
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL DRAW	20	45N	53E	6700
17G4a	LOUISE CANYON (OREG.)	27	40S	44E	6440
15H9MP	TAYLOR CANYON	35	39N	53E	6200

INTERIOR

UPPER HUMBOLDT RIVER					
15J17a	AMERICAN BEAUTY	32	31N	58E	7800
16H6a	COLUMBIA BASIN	31	44N	53E	6650
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	DOORSEY BASIN	28	35N	60E	8100
15J3	ORY CREEK	5	34N	60E	6500
15H7	FRY CANYON	31	43N	54E	6700
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
15J4	LA MOILLE #1	15	32N	58E	7100
15J5	LA MOILLE #2	14	32N	58E	7300
15J6M	LA MOILLE #3	24	32N	58E	7700
15J7	LA MOILLE #4	19	32N	59E	8000
15J8P	LA MOILLE #5	31	32N	59E	8700
15J18a	POLE CANYON	31	35N	61E	9140
15J16a	ROBINSON LAKE	23	32N	59E	9200
15H6MP	RODEO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500

LOWER HUMBOLDT RIVER					
17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	8200
17J2	GOLGONDA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	35E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
16H3AP	MIOAS	18	39N	46E	7200
18H7	TOE JAM a	29	40N	50E	7700
17L2	UPPER CORRAL	20	11N	41E	8500

EASTERN NEVADA					
14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	23	17N	65E	9100
14K1	BIRO CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	26	16N	62E	7250
15K1	ROBINSON SUMMIT	23	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARO MOUNTAIN #2	25	15N	62E	7875
15L1	WHITE RIVER #1	31	13N	59E	7400

CENTRAL GREAT BASIN					
18M2	CAMPITO MTN (CAL.)	19	5S	35E	10200
18M5a	CHICOVICH FLAT	32	25	34E	10500
15N2	CLARK CANYON	8	19S	56E	9000
18M1	MONTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	45	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

NORTHERN GREAT BASIN					
19H1	BALO MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK (CAL.)	23	39N	16E	6500
20H6	CEGAR PASS (CAL.)	12	43N	14E	7100
18G6a	OENIO CREEK (OREG.)	14	41S	34E	6000
18H1	DISASTER PEAK	8	47N	34E	6500
20H3a	OISMAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK (CAL.)	35	40N	15E	7200
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	35N	18E	6400
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIDGE	9	47N	41E	6300
20H4	RESERVATION CREEK (CAL.)	12	46N	15E	5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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LAKE TAHOE

19L14	OAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3M5Z	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4M5TZ	MARLETTE LAKE	18	15N	19E	8000
20L3	RICHAROSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARO CREEK (CAL.)	21	15N	16E	7000
20K255TZ	WARO CREEK #2 (CAL.)	21	15N	16E	6750

TRUCKEE RIVER

20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100
20K21	DOONER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	DOONER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E	6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700
20K4MP	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SOUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K2	WEBBER LAKE (CAL.)	29	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

CARSON RIVER

19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETS PASS (CAL.)	17	8N	20E	8700
19L6A	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050
19L20a	WOLF CREEK (CAL.)	35	8N	20E	8000
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100

WALKER RIVER

19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBDELL LAKE (CAL.)	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19L23stz	SONORA PASS BRIDGE	6	5N	22E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9800
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250
19L22s2	VIRGINIA LAKES RIDGE	32	3N	25E	9200

COLORADO

LOWER COLORADO RIVER

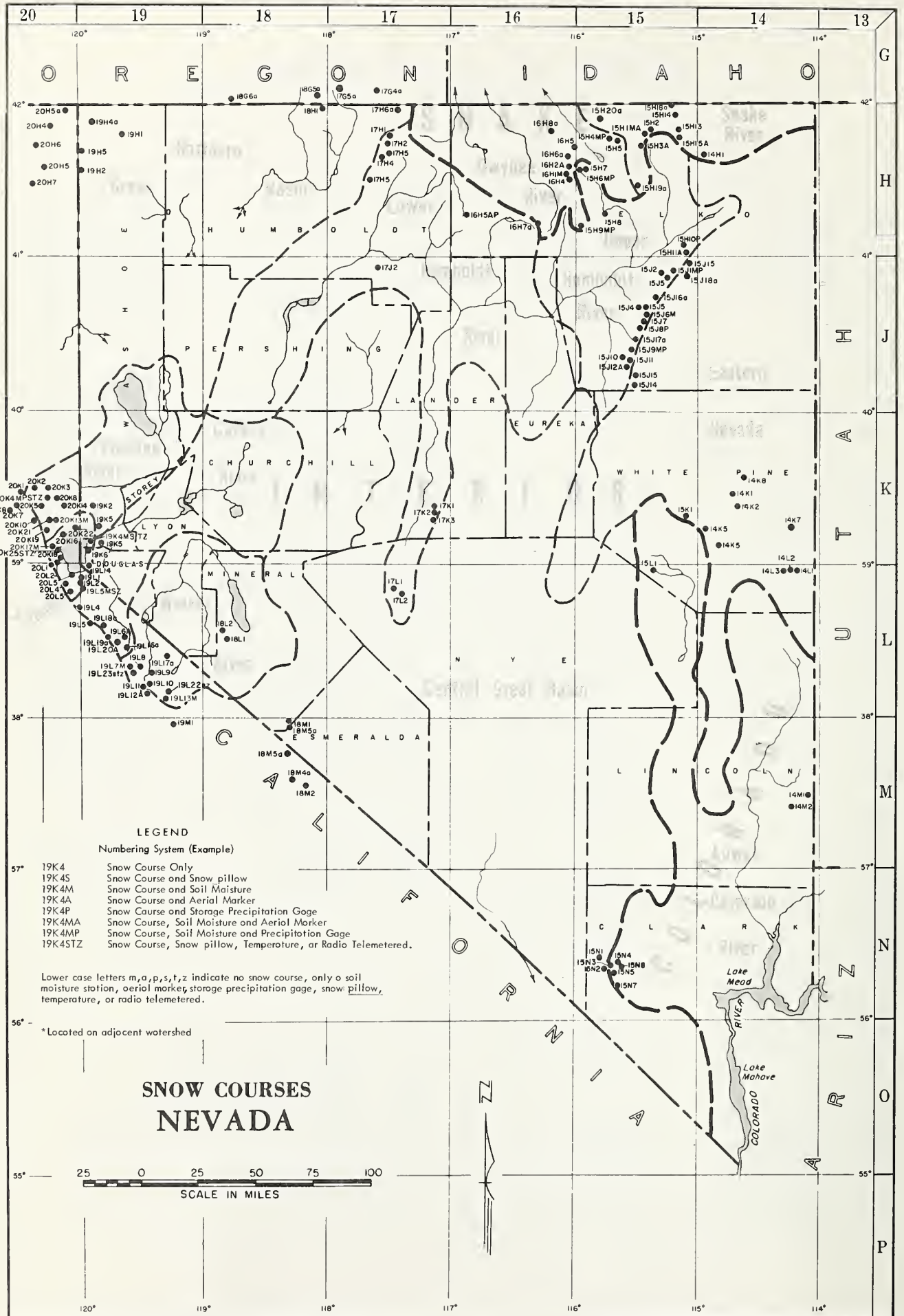
15N5	KYLE CANYON	27	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8400
15N3	LEE CANYON #2	9	19S	56E	9200
15N8	LEE CANYON #3	10	19S	56E	8500
14M1	MATHEW CANYON	10	6S	70E	6000
14M2	PINE CANYON	23	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100

LEGEND NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K45	SNOW COURSE AND SNOW PILLOW
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4M5TZ	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4M4	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE
19K45TZ	SNOW COURSE, SNOW PILLOW AND TEMPERATURE RADIO TELEMETERO.

LOWER CASE LETTERS m, a, p, s, i, z, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER, STORAGE PRECIPITATION GAGE, SNOW PILLOW, TEMPERATURE, OR RADIO TELEMETERO.

*LOCATED ON ADJACENT WATERSHED



WATER SUPPLY OUTLOOK

FOR NEVADA

May 1, 1968

* * * * *

* This summer's water supply outlook is "extremely poor" *
* on the Owyhee and Humboldt Rivers, "near average" for *
* the Tahoe-Truckee Basin, and "above average" on the *
* Virgin River affecting southern Nevada. April was a *
* dry month over most of the state, and most streams had *
* well below-average flows. Reservoir storage is still *
* above average along the Sierras but well below average *
* on the Owyhee and Humboldt Rivers. Streamflow fore- *
* casts now range from 24 percent on the Owyhee to 143 *
* percent on the Virgin River. *

* * * * *

SNOW COVER

Storms were few and far between during April, and only the highest snow courses in eastern and northeastern Nevada showed increases in water contents. Snow courses below 8000 feet are generally bare, and those measured along the Sierras showed substantial decreases in water content since April 1. This is a sharp contrast to last year's continuous storms in April, May, and on into early June.

SOIL MOISTURE

Watershed soils at lower elevations have started to dry out, due to below-average precipitation. Higher-elevation soils have been absorbing snow-melt water and are now near capacity.

RESERVOIR STORAGE

Nevada's seven principal reservoirs, exclusive of Mead and Mohave, now hold 1,074,000 acre-feet of water, or 129 percent of the 15-year average for May 1. Storage along the Sierras is well above average, while Humboldt and Owyhee storage is 78 and 26 percent of average respectively.



STREAMFLOW FORECASTS

Streamflow forecasts now vary from 24 percent on the Owyhee, for the May-July period, to 143 percent on the Virgin River affecting water users of southern Nevada.

Short water supplies are expected for Owyhee and Humboldt River water users and for other parts of the state without reservoir storage to supplement below-average natural streamflow expected this summer over much of the state.

Virgin River water users are expected to get flows 143 percent of average for the May-June period. The snow pack on headwaters of the Virgin in Utah did not melt as much as usual in April, and above-average flows are expected during the months of May and June.

Streamflow along the Sierras during April was below average on all streams except the West Walker, which was 107 percent of average. The West Walker is expected to flow 75,000 acre-feet, or 61 percent of average, for the May-July period. The East Walker is expected to flow 18,000 acre-feet, or 38 percent of average for the May-August period. These below-average flows are expected to cause late season water shortages in the Walker Basin.

The Carson River is expected to flow 55,000 acre-feet (44 percent) at Fort Churchill; 62,000 acre-feet (46 percent) at Carson City; 22,000 acre-feet (55 percent) for the West Carson and 83,000 acre-feet (58 percent) for the East Carson. The East Carson is expected to drop below 200 c.f.s. by about June 30, 1968.

The Truckee at Parad is expected to flow 120,000 acre-feet (63 percent) and the Little Truckee 35,000 acre feet (64 percent) during the May-July period. Lake Tahoe is expected to rise 0.7 of a foot during the May-July period.

The above forecasts assume average precipitation will occur during May, June and July. If the weather continues as dry as April over most of the state, these forecasts will be high and shorter water supplies will result over most of Nevada.



NEVADA STREAMFLOW FORECASTS - MAY 1, 1968

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

BASIN and Forecast Stream	May-July Streamflow, Thousands Acre-Feet				
	Forecast 1968	Average 1948-62	1968 % of 15-Yr. Av.	Measured Runoff 1967	1966
<u>TRUCKEE RIVER</u>					
Little Truckee River above Boca California	35	55	64	160	25
Truckee River at Farad, Calif. ¹	120	190	63	510	82
Lake Tahoe ²	0.7	1.09	64	2.21	0.37
<u>CARSON RIVER</u>					
East Carson near Gardnerville, Nev.	83	143	58	291	83
West Carson at Woodfords, Calif.	22	40	55	72	22
Carson River near Carson City, Nev.	62	134	46	326	58
Carson River at Ft. Churchill, Nev.	55	124	44	298	49
East Carson near Gardnerville, Nev. (Date of 200 c.f.s. flow	6/30	7/20		8/31	6/27
<u>WALKER RIVER</u>					
East Walker near Bridgeport, Calif. ³	18	48	38	124	27
West Walker below E. Fork near Coleville, California	75	123	61	229	77
<u>COLORADO RIVER</u>					
Virgin River at Virgin, Utah ⁴	35	24	143	38	17

(Continued)

NEVADA STREAMFLOW FORECASTS - MAY 1, 1968 (Continued)

BASIN and Forecast Stream	May-July Streamflow, Thousands Acre-Feet				
	Forecast 1968	15-Yr. Average 1948-62	1968 % of 15-Yr. Av.	Measured Runoff 1967	1966
<u>HUMBOLDT RIVER</u>					
Lamoille Creek near Lamoille, Nev.	16	24	67	25	12
So. Fk. Humboldt near Elko, Nev.	28	49	57	67	14
Marys River above Hot Springs, Nev.	10	23	43	23	5
No. Fk. Humboldt at Devils Gate, Nev.	6	20	30	22	2
Humboldt River at Palisade, Nev.	35	126	28	175	22
Humboldt River at Comus, Nev.	24	94	25	114	15
Martin Creek near Paradise, Nev.	3	10	30	19	3
<u>SNAKE RIVER</u>					
Owyhee River near Owyhee, Nev. ⁵	10	42	24	40	6
Owyhee River near Gold Creek, Nev. ⁵	3	10	30	7	1
Salmon Falls Creek near San Jacinto, Nev. ⁶	26 24	49 46	53 53	-- --	16 13
<u>SURPRISE VALLEY</u>					
Bidwell Creek near Ft. Bidwell, Calif. ⁷	5.4	12.3 *	44	14.7	5.6
Mill Creek near Cedarville, Calif. ⁷	2.5	5.5	45	5.6	2.3
Deep Creek near Cedarville, Calif. ⁷	1.5	3.8	39	2.4	1.6
Eagle Creek near Eagleville, Calif. ⁷	2.5	5.2	48	3.8	2.1

1. Exclusive of Tahoe and corrected for storage in Boca Reservoir.
 2. Maximum rise, in feet, from May 1 assuming gates closed.
 3. For period May through August corrected for storage in Bridgeport Reservoir.
 4. May-June forecast; issued by SCS, Salt Lake City, Utah.
 5. Corrected for storage in Wild Horse Reservoir.
 6. May-Sept. and May-July forecasts respectively; issued by SCS, Boise, Idaho.
 7. April-Sept. forecast; coordinated forecast of SCS and California Department of Water Resources, Snow Survey Units.
- * Adjusted average.

STATUS OF NEVADA RESERVOIR STORAGE

MAY 1, 1968

BASIN and STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE-FEET				15-Yr. Av. 1948-62
			1968	1967	1966		
Owyhee	Wild Horse	33	7	8	17		26
Lower Humboldt	Rye Patch	179	60	94	163		77
Colorado	Mohave	1,810	1,694	1,675	1,708		1,371 *
Colorado	Mead	27,217	14,780	14,530	15,492		16,696
Tahoe	Tahoe	732	638	559	570		437
Truckee	Boca	41	28	12	27		26
Truckee	Prosser **	29	14	12	13	Storage began 1/30/63	
Carson	Lahontan	286	252	241	222		206
West Walker	Topaz	59	52	38	52		35
East Walker	Bridgeport	42	37	26	38		27

* 1950-62

** Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

TOTAL RESERVOIR STORAGE

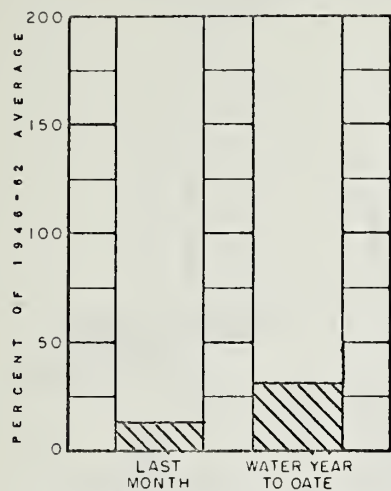
Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz,
and Bridgeport Reservoirs in 1000's Acre-Feet

MONTH	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	Average 1948-62
October 1	338	702	497	1135	559	965	572
January 1	408	748	789	1114	593	904	622
February 1	579	776	922	1051	736	939	670
March 1	690	774	949	1035	792	1025	725
April 1	765	774	1002	1054	943	1080	776
May 1	840	818	1103	1089	978	1074	834

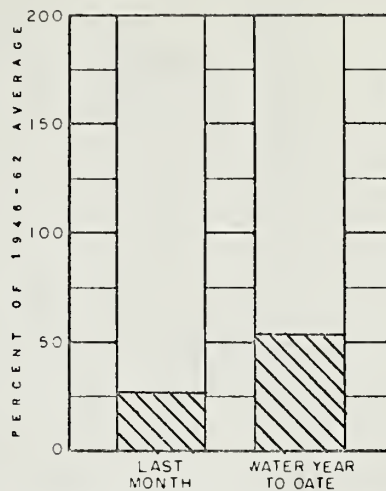
TOTAL USABLE CAPACITY 1,372

SELECTED CURRENT STREAMFLOW STATIONS

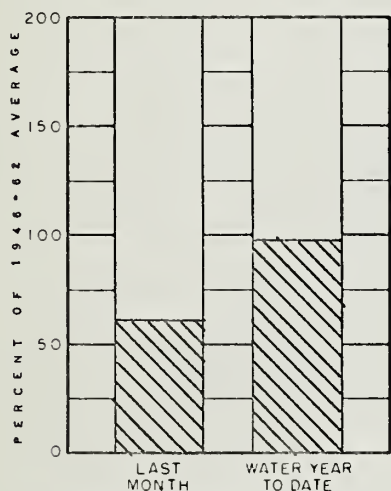
May 1, 1968



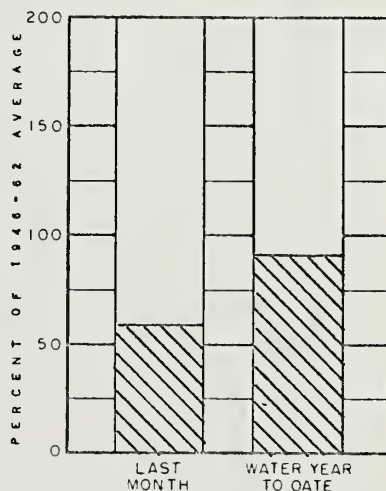
Owyhee near Owyhee, Nev.



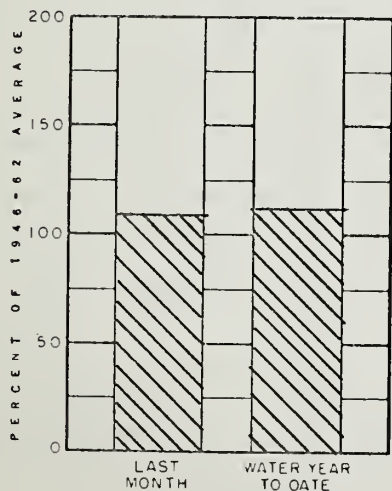
Humboldt at Palisade, Nev.



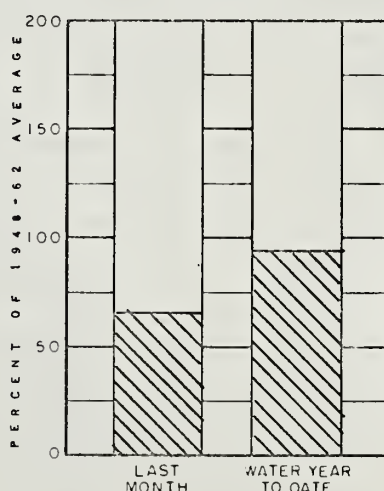
Truckee at Farad, Calif.



Carson near Carson City, Nev.

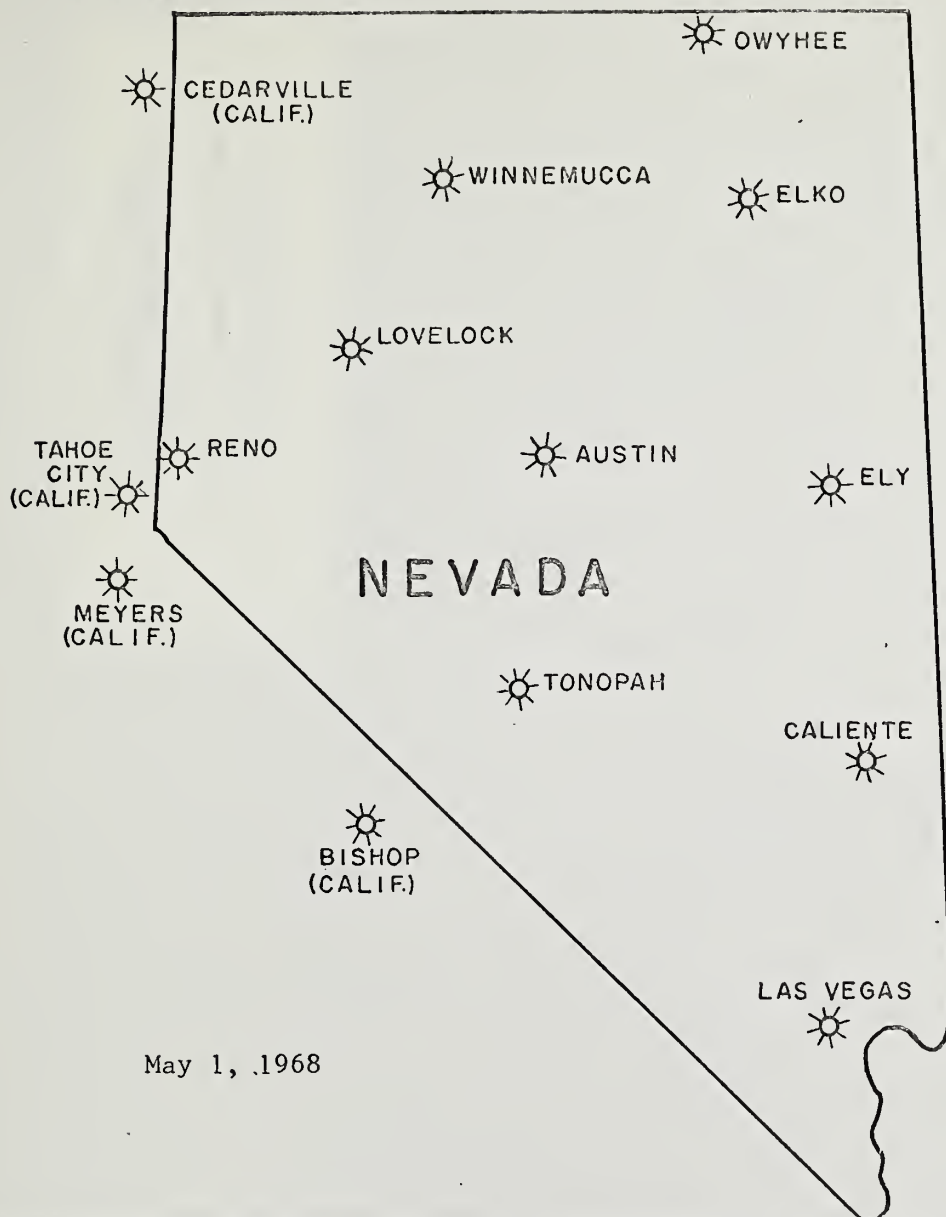


W. Walker near Coleville, Calif.



Virgin at Littlefield, Ariz.

SELECTED PRECIPITATION STATIONS^a



May 1, 1968

PRECIPITATION as PERCENT of the 1948-62 AVERAGE					
STATION	LAST MONTH	WATER YEAR ^b TO DATE	STATION	LAST MONTH	WATER YEAR ^b TO DATE
Cedarville (Calif.)	50	77	Owyhee	111	84
Tahoe City (Calif.)	16	73	Elko	87	104
Meyers (Calif.)	30	89	Ely	210	105
Bishop (Calif.)	22	39	Austin	72	58
Reno	3	69	Tonopah	60	194
Lovelock	T	58	Caliente	40	77
Winnemucca	68	69	Las Vegas	71	72

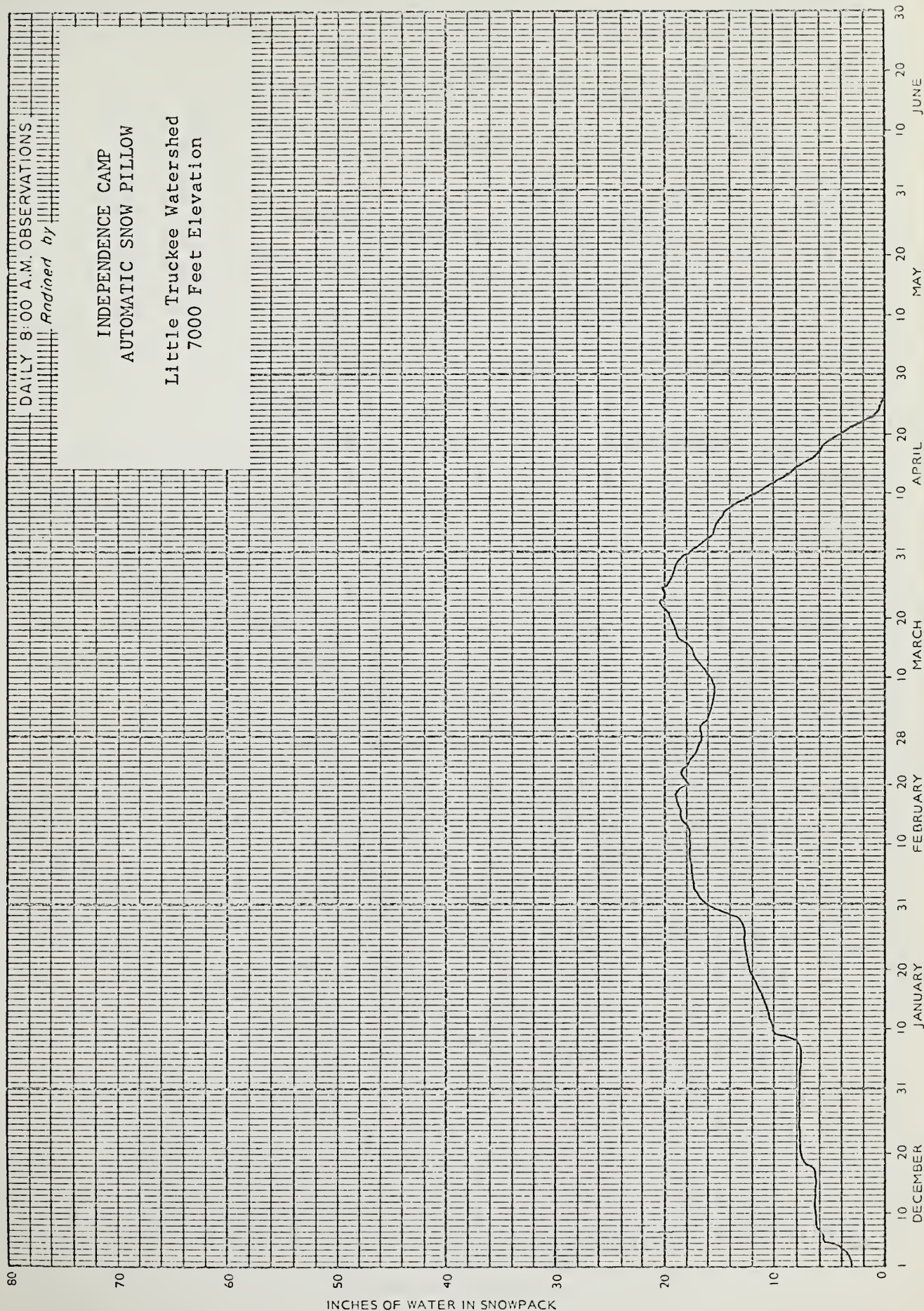
(a) Preliminary Data furnished by U.S. Weather Bureau (b) Oct. 1 to date (c) Report delayed

U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION

DAILY 8:00 A.M. OBSERVATIONS
Redlined by

INDEPENDENCE CAMP
 AUTOMATIC SNOW PILLOW

Little Truckee Watershed
 7000 Feet Elevation



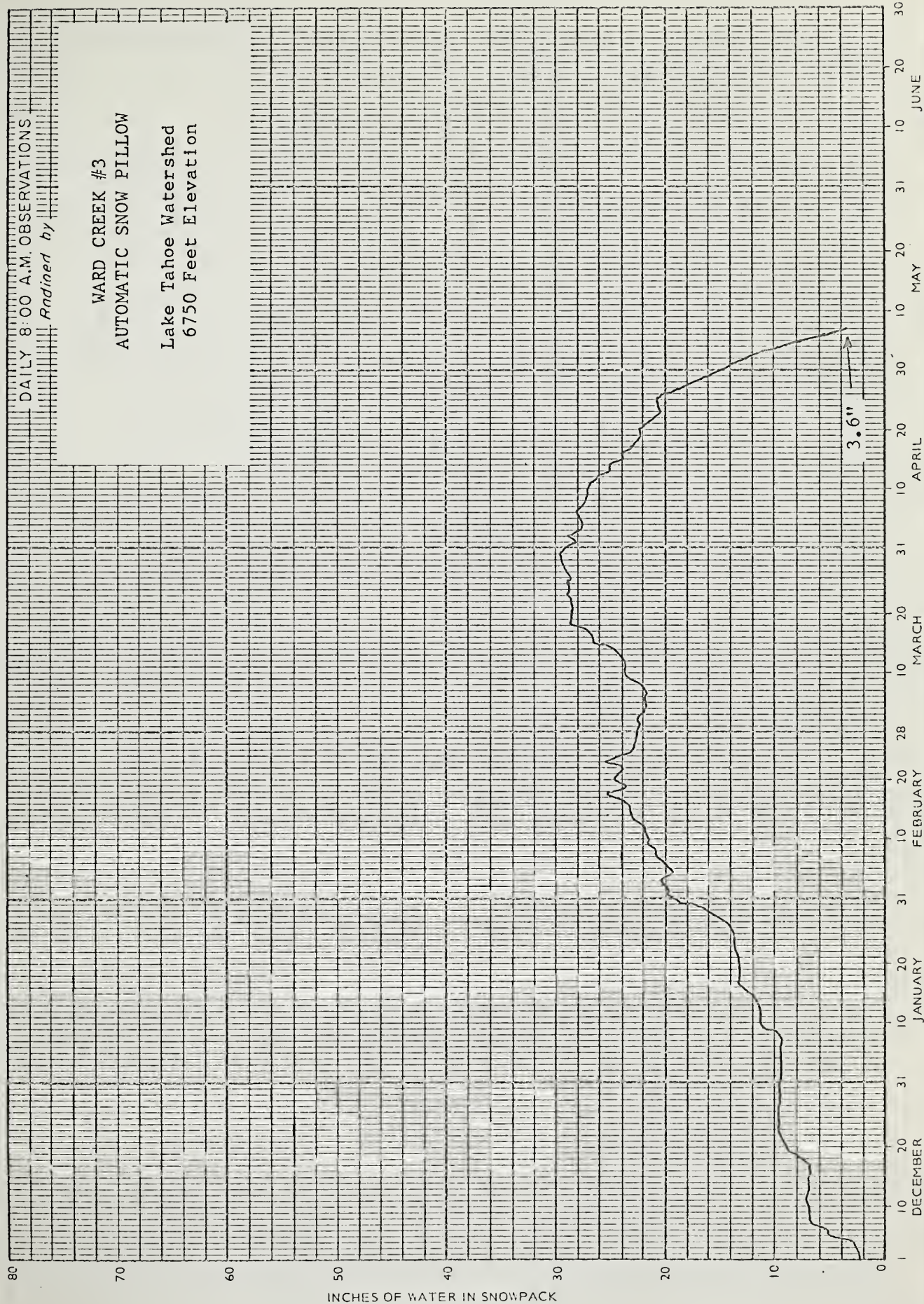
U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION

DAILY 8:00 A.M. OBSERVATIONS
Redlined by

WARD CREEK #3

AUTOMATIC SNOW PILLOW

Lake Tahoe Watershed
 6750 Feet Elevation



INCHES OF WATER IN SNOWPACK

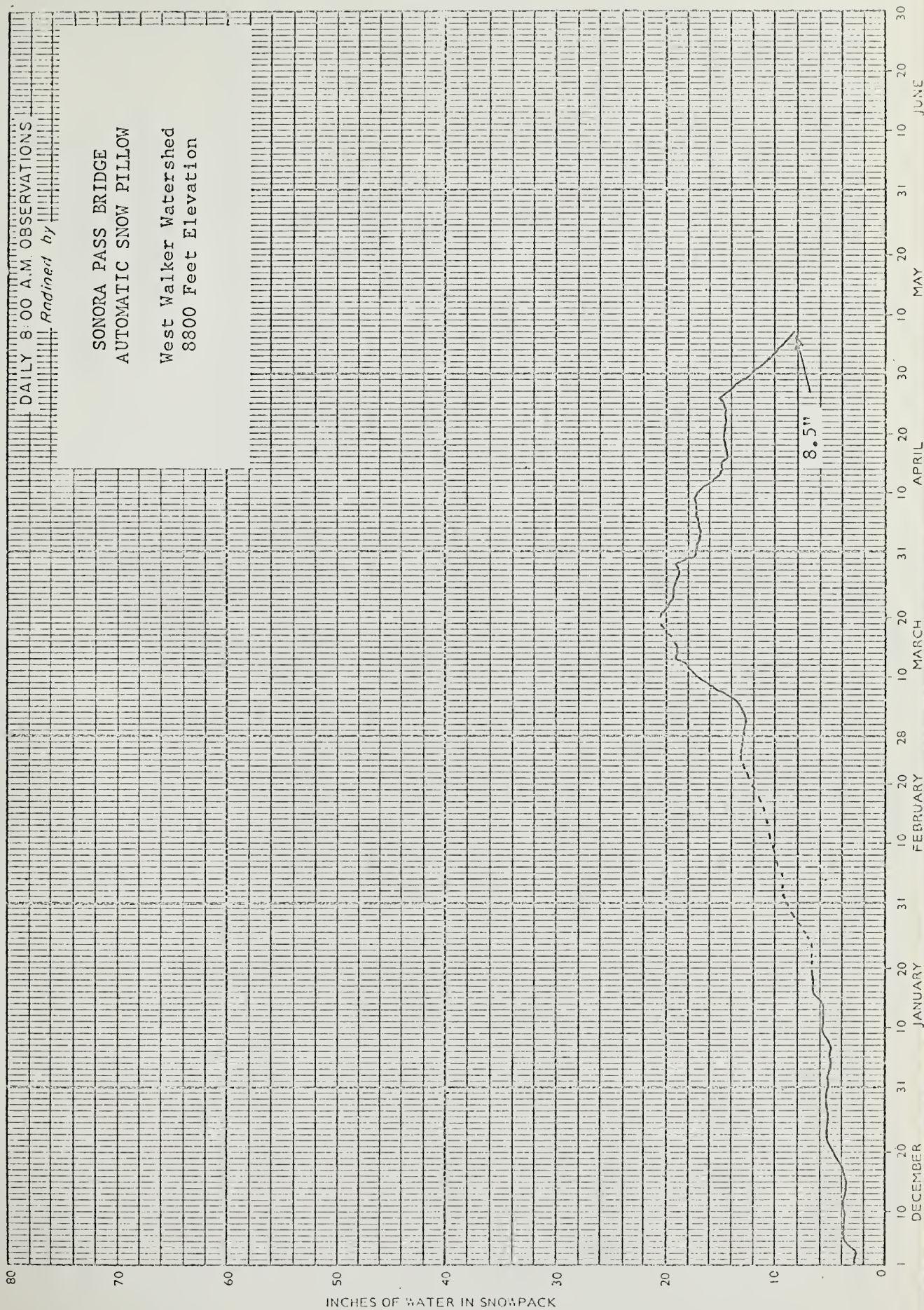
U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION

DAILY 8:00 A.M. OBSERVATIONS

Redlined by

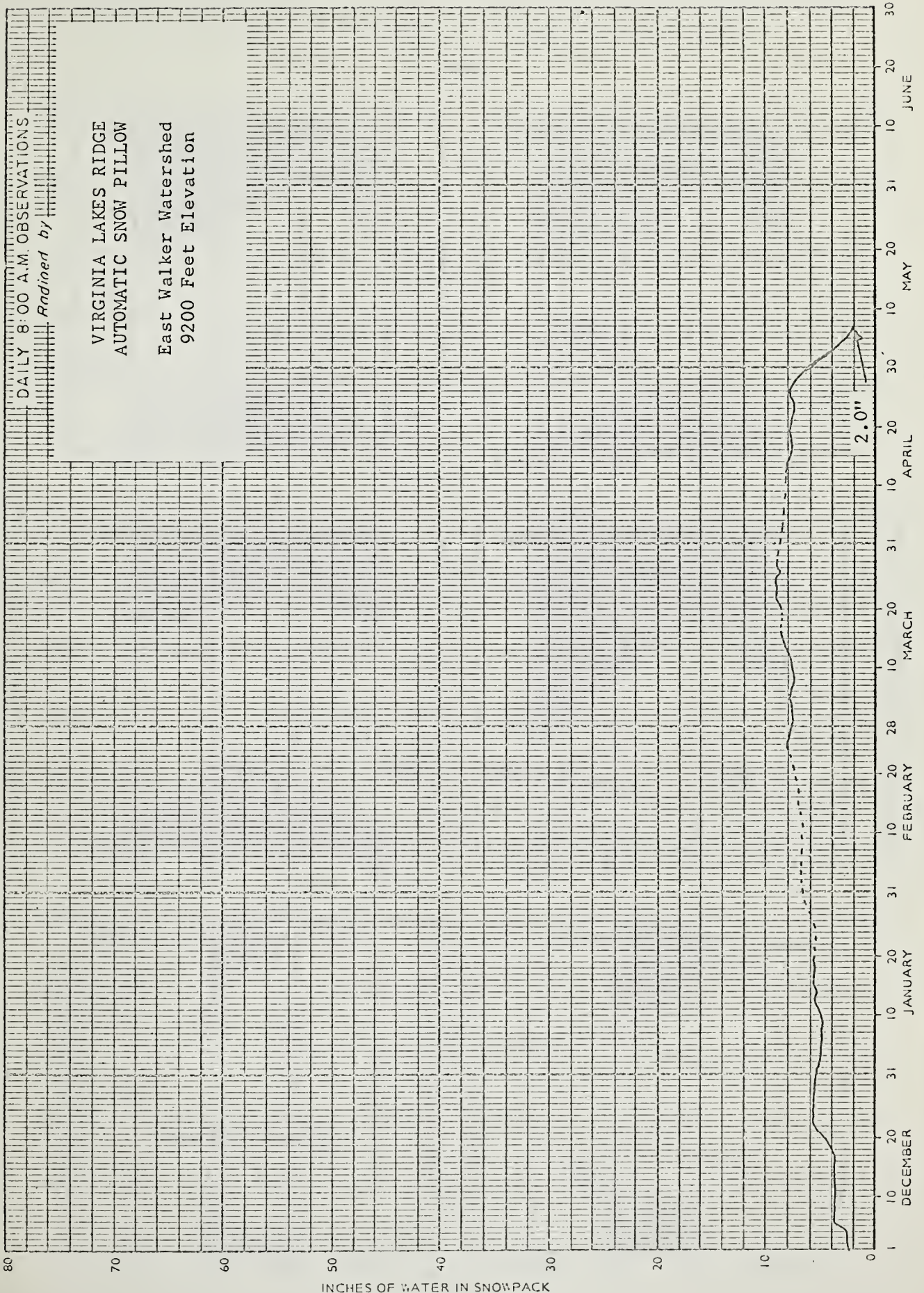
SONORA PASS BRIDGE
AUTOMATIC SNOW PILLOW

West Walker Watershed
8800 Feet Elevation



INCHES OF WATER IN SNOWPACK

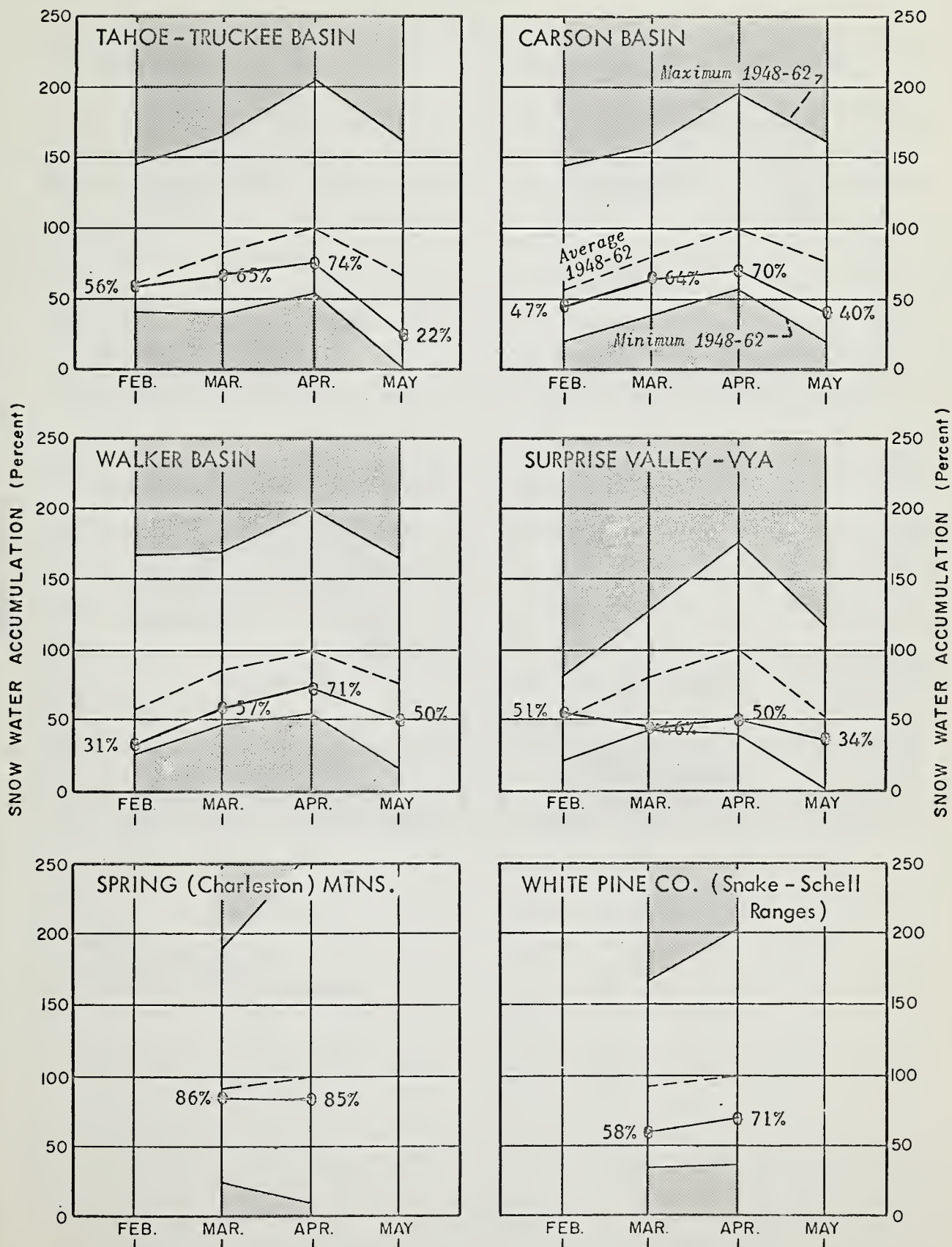
U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION



SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

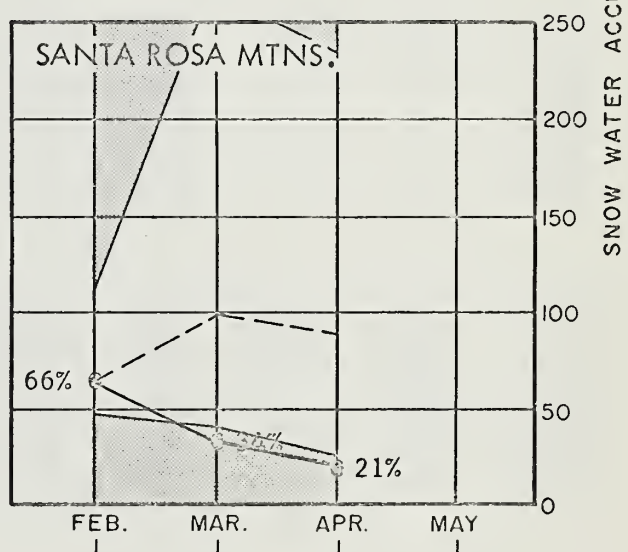
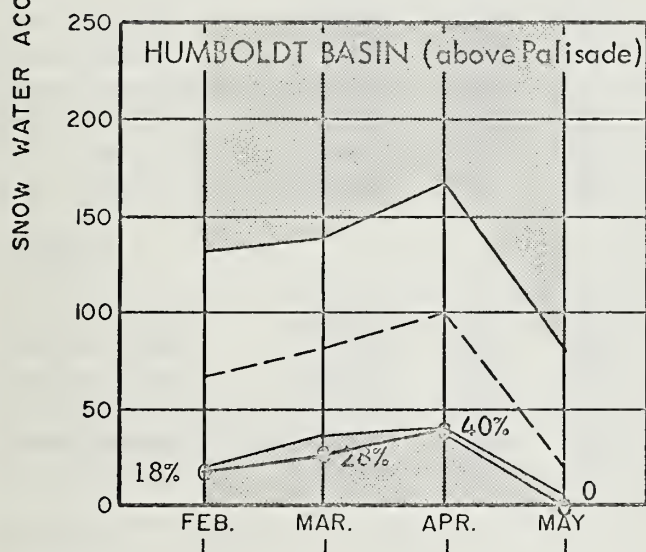
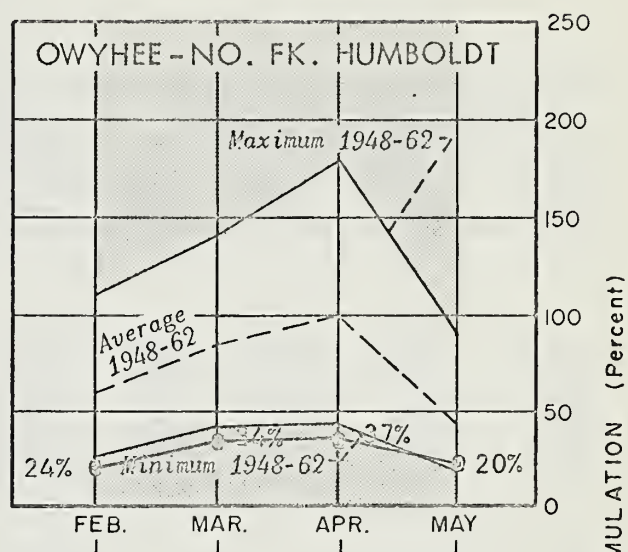
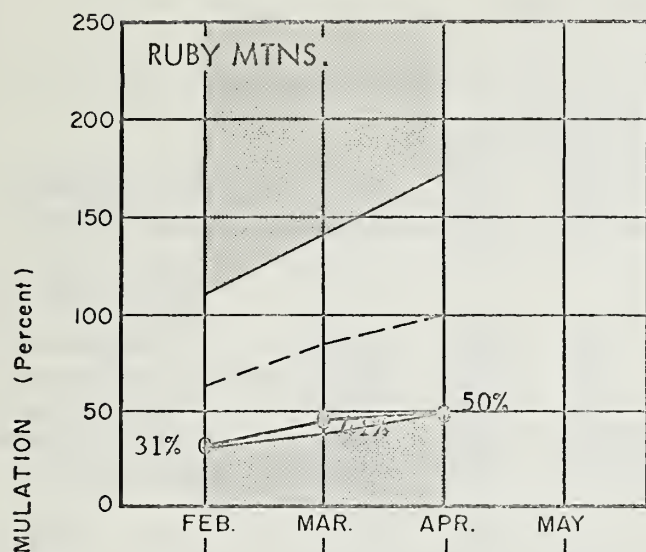
1968



SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

1968



NOTE

— 1968
 - - - - 1948-62 Average

Nevada Snow Surveys

May 1, 1968

WATERSHED and Snow Course		Elev.	May 1, 1968		Water Content (Inches)			
			Date of Survey	Snow Depth (In.)	Water Content (In.)	May 1 1967	May 1 1966	May 1 1948-62 Av.
<u>WALKER-CARSON</u>								
Blue Lakes	8000	4/25	44	20.4	60.0	20.4	29.9	25.1
Carson Pass, Upper	8600	4/26	37	18.2	62.8	19.1	29.9	28.5
Sonora Pass	8800	4/25	23	10.2	42.6	6.4	16.6 *	17.8
Virginia Lakes	9500	4/25	Course plowed		37.5	6.6	11.5 *	10.6
Virginia Lakes (Alt.)	9500	4/25	17	7.1	---	---	---	---
<u>TAHOE</u>								
Echo Summit	7500	4/29	14	6.6	54.2	2.4	25.3	22.5
Freel Bench	7300	4/26	0	0.0	21.5	---	---	6.9
Hagans Meadow	8000	4/26	1	0.4	32.4	---	---	12.6
Marlette Lake	8000	4/30	20	8.9	40.6	---	---	19.7
Ward Creek #2	7000	5/1	42	20.2	---	---	---	32.4
Ward Creek #3	6750	5/1	36	17.2	64.5	---	---	29.9
<u>TRUCKEE</u>								
Donner Summit	6900	4/25	30	10.5	62.8	11.8	28.4	30.9
Fordyce Lake	6500	4/25	48	24.2	64.2	23.6	32.7	34.7
Furnace Flat	6700	4/25	58	30.9	71.3	30.5	40.3	43.0
Independence Camp	7000	4/29	7	3.3	41.3	---	16.5 *	20.2
Independence Creek	6500	4/29	4	1.6	---	---	6.6 *	10.9
Squaw Valley #2	7500	4/27	74	35.4	82.1	---	---	40.4
<u>HUMBOLDT</u>								
Fry Canyon	6700	5/3	0	0.0	6.0	0.0	1.1 *	0.0
Rodeo Flat	6800	5/3	0	0.0	4.6	0.0	1.4 *	0.0
Tremewan Ranch	5700	5/3	0	0.0	0.0	0.0	0.0 *	0.0
Green Mountain	8000	5/1	T	T	---	---	---	9.6
Lamoille #1	7100	4/29	T	T	---	---	---	2.1
Lamoille #2	7300	4/29	0	0.0	---	---	---	T
Lamoille #3	7700	4/29	13	5.5	---	---	---	7.4
Lamoille #4	8000	4/29	33	13.5	---	---	---	10.5
Lamoille #5	8700	4/29	57	23.6	---	---	---	20.8
<u>SURPRISE VALLEY</u>								
Cedar Pass	7100	4/29	14	6.0	22.3	5.0	9.5 *	12.2

(Continued)

NEVADA SNOW SURVEYS (Continued)

May 1, 1968

		May 1, 1968			Water Content (Inches)			
		Date	Snow	Water	May 1			
		of	Depth	Content	May 1	May 1	1948-62	April 1
WATERSHED and	Elev.	Survey	(In.)	(In.)	1967	1966	Av.	1968
Snow Course								
<u>WHITE PINE COUNTY</u>								
Berry Creek	9100	4/29	45	15.5	21.8	4.9	14.7	14.1
Bird Creek	7500	4/29	0	0.0	---	0.0	---	2.5
<u>SNAKE-OWYHEE</u>								
Bear Creek	7800	4/29	37	15.2a	27.0a	10.2a	21.0 *	16.6
Big Bend	6700	5/3	0	0.0	T	0.0	1.3 *	T
Gold Creek	6600	5/3	0	0.0	0.0	0.0	0.0 *	0.0
Jack Creek, Lower	6800	4/30	0	0.0	T	0.0	0.0 *	T
Jack Creek, Upper	7250	4/30	0	0.0	11.6	0.0	3.5 *	4.3
Jacks Peak	8420	4/30	55	21.7	31.4	20.1	28.5 *	19.4
Taylor Canyon	6200	4/30	0	0.0	0.0	0.0	0.0 *	0.0
Goat Creek	8800	4/29	40	16.4a	25.4a	6.4a	19.4 *	14.0
Hummingbird Springs	8945	4/29	50	20.5a	32.6a	11.3a	25.1 *	17.3
Pole Creek R. S.	8330	4/29	54	19.7	24.2	11.0	22.2 *	15.8
Red Point	7940	4/29	0	0.0a	18.0a	0.0a	---	7.0a

* Adjusted average.

a Aerial snow depth gage; water content estimated.

SOIL MOISTURE

STATION	Elevation	Profile (Inches)		Date	Soil Moisture (Inches)		
		Depth	Capacity		This Year	Last Year	2 Years Ago
<u>NORTHEAST NEVADA</u>							
Big Bend	6700	48	16.7	5/3	16.4	15.9	16.5
Jack Creek, Lower	6800	48	8.7	4/30	8.3	8.3	8.1
Rodeo Flat	6800	42	11.0	5/3	10.9	9.2	11.0
Taylor Canyon	6200	48	15.1	4/30	14.6	13.2	14.9
<u>SIERRAS</u>							
Hagans Meadow	8000	36	3.65	4/26	3.2	3.3	---
Independence Camp	7000	34	6.10	4/29	5.5	5.3	5.7
Marlette Lake	8000	50	3.70	4/30	3.3	3.6	---
Sonora Pass	8800	48	8.30	3/22	8.3	8.3	---
Ward Creek	7000	49	5.80	5/1	5.2	---	---

DELAYED DATA

SNOW SURVEYS

Snow Course	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)
American Beauty	7800	4/9/68	9	3.1a
Columbia Basin	6650	4/9/68	0	0.0
Fawn Creek	7000	4/9/68	0	0.0a
Hole-in-Mountain	7900	3/31/68	26	10.6
Merritt Mountain	7000	4/9/68	0	0.0a
Pole Canyon	9140	4/9/68	34	12.6a
Robinson Lake	9200	4/9/68	14	5.0a
Stag Mountain	7800	4/9/68	0	0.0a
Tent Mountain #1	8500	4/9/68	0	0.0a
Tent Mountain #2	7200	4/9/68	0	0.0a
Toe Jam	7700	4/9/68	6	2.0a

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Agricultural Research Service
- Army
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U. S. District Court - Federal Water Master
- Weather Bureau

STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Soil Conservation Districts
- Nevada Cooperative Snow Surveys
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
 - Nevada State Forester-Firewarden
- Oregon Cooperative Snow Surveys
- University of Nevada
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas & Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Squaw Valley Development Company
- Truckee-Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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*"The Conservation of Water begins
with the Snow Survey"*